Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/24/2020 09:06 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124250	-1	3.90	124416	3.95
Blue	F	SSC	125000	124384	-1	1.62	125050	1.56
Blue	E	FITC	15892	15467	-3	3.02	335	21.89
Blue	D	PE	29999	29117	-3	2.07	633	15.92
Blue	B	PerCP-Cy5-5	43732	43438	-1	3.86	1161	22.42
Blue	A	PE-Cy7	30845	30729	-1	6.69	595	45.18
Red	C	APC	46112	45002	-3	2.48	1590	12.39
Red	A	APC-Cy7	30458	29416	-4	2.33	802	12.17
Violet	B	V450	7918	7544	-5	4.56	426	13.70
Violet	A	V500	32171	30908	-4	4.39	721	10.99

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16000	25.56	663	42	N/A	N/A	Pass
Blue	F	SSC	57136	1.22	591	32	N/A	N/A	Pass
Blue	E	FITC	62	70.76	558	15	0.0173	216	Pass
Blue	D	PE	133	55.20	564	16	0.1483	329	Pass
Blue	B	PerCP-Cy5-5	213	54.98	675	19	0.0074	59	Pass
Blue	A	PE-Cy7	106	118.61	722	24	0.0089	28	Pass
Red	C	APC	382	25.56	589	5	0.0231	124	Pass
Red	A	APC-Cy7	178	28.86	561	5	0.0051	899	Pass
Violet	B	V450	64	64.86	462	4	0.0519	2584	Pass
Violet	A	V500	107	40.56	478	4	0.0242	1882	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.25	-31.82	1.01
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.42
Red	15.49	13.60 - 20.40	N/A	N/A	29.28	29.66	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 10006

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments